

**SECTION 3
DRYING & DEWAXING
CERAMIC SHELLS**

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1983	3:9	36	A Common Sense Method for Autoclave Design Kermit Buntrock, Buntrock Industries	14
1990	3:10	47	A Pulse Vacuum Mould Drying System (PVD) for Investment Casting Hiroki Yamaya, Yamaya Casting Technical Laboratory; Kazunori Kobayashi, Japanese Assoc. of Casting Technology	13
	3:11	47	Desiccant Dehumidification Application and Benefits to Investment Casting Process Spencer Goland, Cargocaire Engineering Corp.	8
1991	3:12	47	Method for the Automated Study of Investment Casting Shell Drying Stephen Matchett, Nalco Chemical Co.	11
	3:13	49	Three Dimensional Printing of Ceramic Shells and Cores for Metal Casting Emanuel Sachs, Michael Cima, James Bredt Massachusetts Institute of Technology	14
1992	3:14	51	On-Line Monitoring of Shell Drying Cycles J. MacGibbon, S. C. Yates, A. Earnshaw and C. McNaughton Division of Materials Science and Technology, CSIR, South Africa	42
1993	3:15	54	Ceramic Process Control Through Design of Experiment James D. Jackson, Minco, Inc.	22
1994	3:16	56	Investigation Into the Drying Behavior of Water Based Slurries S. Jones, University of Birmingham, UK; and Steve Leyland, Rolls-Royce plc, Research & Development Foundry, UK	12
	3:17	56	Isothermal Drying of Investment Casting Shells Bernard Krieger, Martin Yonnone, Alex Galperin, Cober Electronics, Inc., and John M.Svoboda, EPRI Foundry Office.	22
1997	3:18	59	Drying Characteristics of Investment Casting Shell Mould Systems S.P. Leyland, Trucast Limited - U.K.	31

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	3:20	61	The Drying of Water Based Shell Moulds P. Withey, Rolls Royce plc - U.K.	7
2001	3:21	62	What Happens During Autoclave Dewaxing Jerry D. Snow, Minco, Inc.	31
	3:22	67	Dewaxing of Investment Shells - Preliminary Results From Focast S. Jones, M. R. Jolly, J. C. Gebelin, A. Cendrowicz: IRC in Materials for High Performance Applications, The University of Birmingham	20
2002	3:23	68	To Boldly Go Where No Woman Has Gone Before: Dewaxing Results From Focast Samantha Jones, M.R. Jolly, J.C. Gebelin, A. Cendrowicz, University of Birmingham, UK	18
	3:24	69	High Temperature Shell Permeability Thomas Hahn, Russ Rosmait, Engineering Technology Department Pittsburg State University	10
	3:25	69	Boilerclave™ Thermal Profiles and the Effect Of Moisture Upon Ceramic Shells During the Steam De-Wax Process S. Jones, A. Cendrowicz, M.R. Jolly, J.-C. Gebelin, K. S. Lewis, I. Al-Dawery: IRC in Materials Processing, The University of Birmingham	26
	3:26	69	Permeable Prime Coats: Effect on Dewax Shell Jerry D. Snow, David H. Scott and Bill S. Snyder: Minco, Inc.	36
2003	3:27	69	The Importance of Green Mor for Autoclave Cracking Tom Branscomb, Director of Technology Buntrock Industries, Inc.	3
	3:28	70	Improved Knockout Properties Francois Batllo – Porject Leader – Colloidal Tech. Group Ondeo Nalco Company	8
2004	3:29	71	Techniques of Mould Dewaxing Howard Pickard, LBBC Ltd.	9
2005	3:30	72	Rapid Shell Build for Investment Casting: Wax to De-Wax in Minutes Dr. Samantha Jones, The University of Birmingham	37
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